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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,474	10/15/2004	Won-Kyo Suh	YOUME11.001APC	4714

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EXAMINER

HAYLES, ASHFORD S

ART UNIT	PAPER NUMBER
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3687

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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com
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Office Action Summary	Application No. 10/511,474	Applicant(s) SUH, WON-KYO	
	Examiner Ashford S. Hayles	Art Unit 3687	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/15/2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>10/15/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is a first Office Action Non-Final rejection on the merits. Claims 1-24, as originally filed, are currently pending and have been considered below.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

3. Claim 2 is objected to because of the following informalities: The term 5EH1 should be 5WH1. Appropriate correction is required.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

5. **Claims 1-9, 11-12, 15-23 and 25-27 rejected under 35 U.S.C. 102(b) as being anticipated by Suh (#6,330,545).**

As per Claim 1, Suh discloses a method for processing activity information of a business organization using a data processing system for storing an activity information definition table matched with activity information and making an activity report based on input activity information and a corresponding account of the activity report, comprising:

(a) respectively displaying a plurality of activity types respectively defining an activity history of the business organization (Col. 4, line 30);

(b) receiving a selection of at least one activity type of the displayed activity types from a user (Col. 4, line 26-28);

(c) displaying a configuration screen corresponding to "what" and "how" of the activity type so as to input activity information on the selected activity type (Figure 4, Step 280);

(d) using the activity information input by the user (Figure 3, Step 120) and the activity information definition table (Figure 3, Account Title Table), and processing activity information (Figure 3, Step 130); and

(e) using the processed activity information and providing an activity report on the activity of the business organization (Figure 3, Step 140).

As per Claim 2 and 17, Suh discloses a method wherein (c) comprises displaying a configuration screen of the 5E1H rule additionally including "who," "when," "where," and "why" of the activity type (Col. 4, lines 56-61, via person or department, date, place, and name of activity).

As per Claim 3 and 19, Suh discloses a method wherein (a) comprises respectively displaying activity types including at least one of a purchase and acquisition activity, a sale and income activity, an expense activity, and a production activity of the business organization (Col. 4, lines 29-32).

As per Claim 4 and 20, Suh discloses a method wherein (a) comprises respectively displaying activity types including at least one of a revenue activity, an expenditure activity, and an administration service providing activity of the business organization (Col. 4, lines 29-32).

As per Claim 5 and 18, Suh discloses a method wherein (d) comprises:

determining whether the input activity information is an internal activity or an external activity (Col. 4, lines 65-67);

determining whether the total of activity values for representing worth of the activities from among the input activity information and the total of resource values for representing worth of the resources that enables the activities are matched (Figure 4, Step 230), when the activity information is an external activity; and

using the activity information definition table and the input activity information and making an activity report of the business organization, when the total of the activity values and the total of the resource values are matched (Figure 4, Step S260)

As per Claim 6, Suh discloses a method wherein (d) further comprises outputting to the user a message for allowing input again of activity information, when the total of the activity values and the total of the resource values are different (Col. 5, lines 17-19).

As per Claim 7, Suh discloses a method wherein (d) comprises:

referring to the activity information definition table and checking an external activity product matched with the resource used for the internal activity, when the input activity information is an internal activity (Col. 6, lines 16-19); and

using the checked external activity product and calculating the price corresponding to the resource used for the internal activity (Col. 6, lines 58-60).

As per Claim 8, Suh discloses a method wherein (e) comprises:

making an accounting report on the business organization based on the calculated price (Figure 9); and

making a non-accounting report on the business organization based on the calculated price, and wherein the activity report of the business organization is made for each component of the activity information (Figure 10).

As per Claim 9 and 23, Suh discloses a method wherein making an accounting report comprises:

making a component-based activity achievement report including at least one of a product and service cost report, a profit-and loss statement, a business value report, and a revenue and expenditure settlement statement (Col.7, lines 50-51); and

making a component-based resource report including at least one of a balance sheet and a cash flow statement (Col. 6, lines 11-13).

As per Claim 11, Suh discloses a method further comprising:

referring to the activity information definition table and displaying an activity information input screen matched with account items of the debtor and the creditor of the business organization (Col. 5, lines 29-36), when information on the account items of the debtor and the creditor of the business organization is externally input (Figure 4, Step S210); and

displaying an additional activity information input screen except the displayed activity information when additional activity information is needed (Col. 4, lines 51-53).

As per Claim 12, Suh discloses a method further comprising:

referring to the activity information definition table and displaying an activity information input screen matched with an activity name of the business organization when information on the activity name of the business organization is externally input (Figure 4, Step S260); and

displaying an additional activity information input screen except the displayed activity information when additional activity information is needed (Col. 4, lines 51-53).

As per Claim 15, Suh discloses a method wherein (c) comprises determining whether the combined activity information is an internal activity or an external activity (Col. 4, lines 65-67).

As per Claim 16, Suh discloses activity information processing system comprising:

a secondary memory (Figure 15, Auxiliary Memory Unit 130) for storing an activity information definition table matched with activity information of a business organization (Figure 3, Account Title Table), and storing an activity information processing program and activity information processing results, the activity information processing program processing activity information based on a connection relation between the input activity information and a corresponding activity report (Col. 3, lines 17-18);

an output device (Figure 15, Output Unit 140) for outputting a plurality of activity types for respectively defining an activity history of the business organization so that a user may select at least one of the output activity types (Figure 4, Step S210), and outputting a configuration screen matched with "what" and "how" of the activity types so

that activity information on the selected activity type may be input (Col. 4, lines 49-53);
and

a CPU (central processing unit) (Figure 15, CPU 110) for using the stored activity information definition table, and providing an activity report on the activity of the business organization (Figure 3, Step 140).

As per Claim 21, Suh discloses a system of claim 16, wherein the CPU refers to an account in the activity information definition table matched with journalizing information and makes an activity report on the journalizing information when the input activity information is the journalizing information including the debtor and the creditor of the business organization (Col. 5, lines 29-36), and the CPU externally receives additional activity information (Col. 4, lines 51-53).

As per Claim 22, Suh discloses a system wherein the CPU refers to an activity name in the activity information definition table matched with the activity information and makes an activity report on the activity information when the input activity information is an activity information related to an activity name of the business organization (Figure 4, Step S260), and the CPU externally receives additional activity information or adds the same when the input activity information is insufficient at the time of generating the activity report (Col. 4, lines 51-53).

As per Claim 25, Suh discloses a system wherein the activity information is input through a client provided at each post (Col. 9, lines 4-5).

As per Claim 26, Suh discloses a system wherein a web client inputs the activity information through the Internet (Col. 9, lines 20-23).

As per Claim 27, Suh discloses a system further comprising:

a user database for storing user information including user IDs and passwords, and each user's accounting information (Col. 9, lines 24-25).

6. Claims 13-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Morgan et al. (#5,799,286).

As per Claim 13, Morgan et al. discloses a method for processing activity information of a business organization using a data processing system (Figure 2, Workstation 72) for making an activity report based on activity information extracted from a first database (Figure 2, Database Server) and a second database (Figure 2, File Server 70), and an account of an activity report corresponding to the activity information (Figure 1, Online reporting Feature 50), the first database storing an activity information definition table matched with activity information of the business organization and managing information on accounting of the business organization (Figure 2, Mainframe 30 and Data Processing Modules 18), the second database managing information on non-accounting aspects of the business organization, comprising:

(a) extracting account item information matched with the debtor and the creditor of the business organization from the first database (Figure 10, Step 170), referring to the activity information definition table (Figure 7, ABM Database), and acquiring first activity information matched with the extracted information (Figure 10, Step 172);

(b) extracting information matched with additional activity information except the first activity information from the second database (Figure 12, Step 210), referring to the

activity information definition table (Figure 7, ABM Database), and acquiring second activity information matched with the extracted information (Figure 12, Step 222);

(c) combining the acquired first and second activity information (Figure 13, Step 230), using the combined activity information and the activity information definition table, and processing activity information (Figure 14, Step 266); and

(d) using the processed activity information, and providing an activity report on the activity of the business organization (Figure 19, Items 330-336).

As per Claim 14, Suh discloses a method further comprising:

extracting information matched with an activity name of the business organization from the first database (Figure 10, Step 174), referring to the activity information definition table (Figure 7, ABM Database), and acquiring third activity information matched with the extracted information (Figure 10, Step 180); and

extracting information matched with additional activity information except the third activity information from the second database (Figure 14, Step 250), referring to the activity information definition table (Figure 7, ABM Database), and acquiring fourth activity information matched with the extracted information (Figure 14, Step 258).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 10 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suh (#6,330,545) further in view of Land et al (#6,807,533).

As per Claim 10 and 24, Suh discloses a method of making a non-accounting report.

However, Suh fails to disclose making a component-based report including at least a payment report.

Suh and Land et al. are within the same field of business management. Land et al. teaches a payment habit statistics, also referred to as payment history reports, are on a per account basis, per credit officer basis, per client basis, etc. These reports are generated either on-line or in a monthly format together with the weekly exception reports on collection calls that are required.

Therefore it would have been obvious to one of ordinary skill in the art to modify the activity information and accounting activity method and system of Suh to include the web based method and system for managing account receivables as taught by Land et al. in order for power users to manage their own area of business reports, including creating new users, adding new report entries or assigning reports to users (Col.1, lines 65-67).

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Chen et al. (#7,319,996) discusses a system and method for providing a data warehouse with a virtual schema.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashford S. Hayles whose telephone number is 571-270-5106. The examiner can normally be reached on Monday thru Thursday 8:30 to 4:00 Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Gart can be reached on (571) 272-3955. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Matthew S Gart/
Supervisory Patent Examiner, Art
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AH